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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/588,672	06/06/2000	Noboru Hamada	862.C1922	9686

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EXAMINER

EL HADY, NABIL M

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 12/03/2003

7

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/588,672

Applicant(s)

HAMADA, NOBORU

Examiner

Nabil M El-Hady

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 September 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

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1. Claims 1-26 are pending in this application.
2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
3. Claim 1-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matchefts et al. (US 6,330,600), hereafter "Matchefts" in view of "Universal Plug and Play to make network Configuration easy and Convenient for the average Consumer", web page presented by Microsoft in 1999, hereafter "UPnP", and further in view of Woundy (US 6,009,103).
4. "Universal Plug and Play to make network Configuration easy and Convenient for the average Consumer", web page presented by Microsoft in 1999, is cited by the applicant in IDS paper No. 5, filed 9/4/2003.
5. As to claims 1, 7, and 13, Matchefts discloses the invention substantially as claimed including a network device managing apparatus and method for managing a network (Fig. 1, and Fig. 2) to which a device which broadcasts a network managing packet at least once after activation (col. 1, lines 61-64; col. 4, lines 30-42, 47-51; col. 8, lines 55-59; and col. 11, lines 60-63); the apparatus comprises packet receiving means (50, Fig. 2; and col. 5, lines 53-55), and packet determining means (50, Fig. 2; and col. 4, lines 55-57).
6. Matchefts, while disclosing acquiring means for a set request number, a trap sequence number, and system up-time for a device from the packet (col. 6, lines 55-64), and registering means for the full configuration of the device (col. 2, lines 5-9; 32, Fig. 1; col. 4, lines 2-5; and

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col. 7, lines 8-14), he apparently does not explicitly disclose broadcasting a packet from the device when the device is activated, acquiring the address of the device and registering the address of the device. UPnP discloses the concept of a device plugged to a network (activated) that automatically configures itself, acquire an address, and broadcast its presence. The device address may be maintained in a network directory server (e.g. LDAP) as disclosed by Woundy (abstract; and col. 4, lines 34-46) in order to facilitate communication between network modules. It would have been obvious to one skilled in the art at the time of the invention to combine the teachings of Matchefts, UPnP, and Woundy because the teachings of UPnP, and Woundy would enhance the management of Matchefts' network system.

7. As to claims 2-4, 8-10, and 14-16, Matchefts discloses a transmitting means for transmitting to the device a verify packet for verifying that said device is a predetermined type of device (e.g. a printer), and a response to the verify packet returns with information indicating the status of the device of the predetermined type (e.g. a printer) to be registered by the register means together with the address of the device and an indication of the predetermined type of the device (col. 2, lines 24-27; col. 6, lines 45-52; and Fig. 3).

8. As to claims 5, 6, 11, 12, 17, and 18, Matchefts discloses a display means with control for displaying the address and the status of the device registered by the registering means (col. 4, lines 9-24).

9. As to claim 19, the claim is rejected for the same reasons as claim 13 above. In addition, Matchefts discloses a computer-readable storage medium for storing a computer program for implementing the network device managing method claimed above (col. 16, lines 1-34).

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10. As to claim 20, the claim is rejected for the same reasons as claim 1 above. In addition, Woundy discloses registering the device address in an external apparatus connected via the network (22, 24, Fig. 1).

11. As to claim 21, the claim is rejected for the same reasons as claim 1 above. In addition, Matchefts discloses transmitting the address of the device to an external client apparatus connected via the network (12, Fig. 1).

12. As to claim 22, Matchefts discloses the network-managing packet as an SNMP trap packet (col. 2, lines 5-10, 21-25).

13. As to claim 23, the claim is rejected for the same reasons as claim 1 above.

14. As to claims 24 and 25, the claims are rejected for the same reasons as claims 1 and 20 above.

15. As to claim 26, the claim is rejected for the same reasons as claims 1, 20, and 23 above.

16. Applicant's arguments with respect to claim 1-22 have been considered but are moot in view of the new ground(s) of rejection.

17. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Beighe et al. (US 5,742,607); waters (US 6,564,216); Danknick (US 6,021,429); Zeldin (US 5,793,975); Leong et al. (US 5,996,010); Wilson, Jr. (US 6,256,322); and Lautmann et al. (US 6,560,644).

18. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

19. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nabil M El-Hady whose telephone number is (703) 308-7990. The examiner can normally be reached on 9:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai T An can be reached on (703) 305-9678. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

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A handwritten signature in black ink, appearing to read 'N. El-Hady', written in a cursive style.

Nabil El-Hady, Ph.D, M.B.A.
Primary Patent Examiner
November 30, 2003